

SUPPLEMENTAL AMENDMENT UNDER 37 C.F.R. § 1.111
AND ELECTION OF SPECIES
U.S. Application No. 09/214,865

means for making said probe opposed to a test object with said probe connected to said ultrasonic transmission/reception circuit, probe excitation means for exciting said probe with said probe opposed to the test object, first data collection means for collecting at least one of data output from said ultrasonic transmission/reception circuit and data output from said waveform processing circuit when said probe is excited by said probe excitation means, test signal output means for feeding a test signal into said ultrasonic transmission/reception circuit with said probe disconnected from said ultrasonic transmission/reception circuit, second data collection means for collecting at least one of data output from said ultrasonic transmission/reception circuit and data output from said waveform processing circuit when a test signal is output by said test signal output means, and determination means for determining whether or not said probe in said ultrasonic inspection system is abnormal based on the output data collected by said first data collection means and said second data collection means.

47. (New) The ultrasonic inspection system diagnosis system as claimed in claim 46 wherein said probe is connected to and disconnected from said system main body by a switch device.

48. (New) The ultrasonic inspection system diagnosis system as claimed in claims 46 or 47 wherein the test object is a bottom of a water tank where a specimen of said ultrasonic inspection system is placed and wherein said positioning means is means for moving said probe to a predetermined position on the bottom of the water tank.

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49. (New) The ultrasonic inspection system diagnosis system as claimed in claims 46 further comprising a display section for displaying a determination result of said determination means.

50. (New) The ultrasonic inspection system management system as claimed in claim 1 wherein each of said ultrasonic inspection systems has an ultrasonic probe data management function for transmitting and receiving ultrasonics with one selected from ultrasonic probes and inspecting a specimen based on a received ultrasonic signal, characterized in that each of said ultrasonic probes is provided with its own storage device for storing general characteristic data of said ultrasonic probe.

51. (New) The ultrasonic inspection system having an ultrasonic probe data management function as claimed in claim 50 wherein the general characteristic data of said ultrasonic probe stored in said storage device is data at manufacturing time of said ultrasonic probe and data added to the data or updated data each time said ultrasonic probe is inspected.

52. (New) The ultrasonic inspection system having an ultrasonic probe data management function as claimed in claims 50 or 51 comprising ultrasonic probe inspection means for executing inspection for getting predetermined characteristic data of said ultrasonic probe and characteristic data read means for storing the characteristic data provided by said ultrasonic probe inspection means in said storage device.

53. (New) The ultrasonic inspection system having an ultrasonic probe data management function as claimed in claim 50 comprising a storage section for storing the data stored in said storage device.

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54. (New) The ultrasonic inspection system having an ultrasonic probe data
management function as claimed in claim 50 comprising a display section for displaying the data
stored in said storage device.
